

Vol. 15, No. 52

WEEKLY REPORT

Week Ending December 31, 1966

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

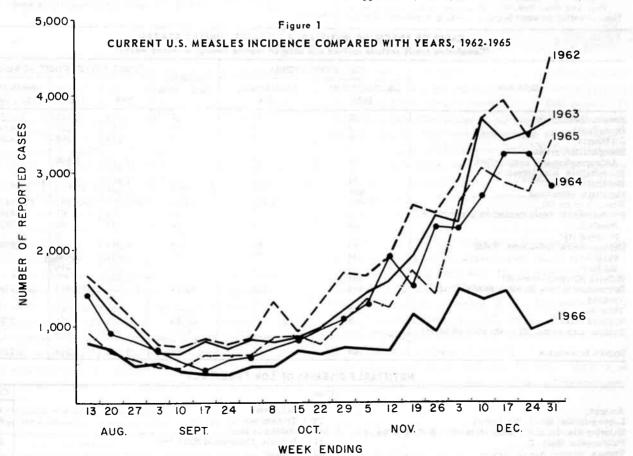
CURRENT TRENDS MEASLES - 1966

For the 52nd week (ending December 31, 1966), 1,080 cases of measles were reported, representing an increase of 132 cases over the preceding week but a decrease of 2,320 cases from the total of 3,400 for the 52nd week in 1965. The substantial decrease in numbers of reported measles cases in 1966, particularly during the month of December, is compared to the numbers reported for the previous 4 years in Figure 1. The States recording the highest numbers of measles cases for the 52nd week are Texas with 219 cases and Arkansas with 207.

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A total of 23 counties reported "outbreaks" of measles from October 15 through December 24 (Table 1). The weeks in which certain counties have undertaken special control measures are indicated in the Table. (Reported by the Childhood Viral Diseases Unit, Epidemiology Branch, CDC.) (Table 1 on page 450)



CURRENT TRENDS - MEASLES - 1966 (Continued from front page)

Table 1. - Counties Reporting "Outbreaks" of Measles*

State	County	Pop.		Nov	ember						
State	County	(1,000's)	5	12	19	26	3	10	17	24	
Arkansas	Ouachita	32	K.	60	10	3		119	35	200	
Colorado	Pueblo	119		6	26	11	8	20	18	11	31.
Kentucky	Menifee	4	1		15		16	11†		1	
Michigan	Wayne	2,666	10	71	16	30	35	13	30	32	
Mississippi	Oktibbeha	26			59		99	73	58	Con	
Nebraska	Richardson	14	8	41	18	7		27		14	
North Carolina	Durham	112	1		34	25	15	42	64	42	
Oklahoma	Kay	51					40†	35	9		
Oregon	Lane	163	3	3	1	18	11	25	16	1	
Oregon	Washington	92	12	69	56	65†	83	33	31	10	
Tennessee	Maury	42	1	25		14	24	8	13		
Texas	Brown	25	3		17	13	44	7	18		
Texas	Hutchinson	34	ì		2	50	130		112		
Texas	Parker	23	18		27	13		5	3	9	
Texas	Pecos	12		6	7	14	12	7	4		
Texas	Red River	16		14	11	26	12	10	19	11	
Texas	Travis	212	3	1	5	20	22	30	36	41	
Washington	Benton	62	6	6			15	5	30	15	
Washington	Franklyn	23	2	1			- 8	4	15	12	
Washington	King	935	41	6	48	38	38	29	50	15	
Washington	Snohomish	172	60	3	89	25†	44	21	23	8	
Washington	Spokane	278	42	24	60	14	36		49	2	
Wisconsin	Waupaca	35	3	4	3	4	2	12	12	4	

^{*}Criteria for "outbreaks":

Pop. at least 1.000,000: 25 cases for 2 consecutive weeks.
Pop. 500,000 - 999,999: 20 cases for 2 consecutive weeks.

†Immunization program begun according to reports received by MMWR.

Pop. 100,000-499,999: 15 cases for 2 consecutive weeks. Pop. less than 100,000: 10 cases for 2 consecutive weeks.

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative totals include revised and delayed reports through previous weeks)

	52nd WEE	K ENDED	MEDIAN	CUMULATIVE, FIRST 52 WEEKS				
DISEASE	DECEMBER 31, 1966	JANUARY 1, 1966	1961 — 1965	1966	1965	MEDIAN 1961 – 1965		
Aseptic meningitis	25	47	27	2,933	2,145	2,135		
Brucellosis	5	16	9	240	261	400		
Diphtheria	9	4	5	204	165	298		
Encephalitis, primary:								
Arthropod-borne & unspecified	29	23		2,130	1,880	***		
Encephalitis, post-infectious	6	13	***	711	654			
Hepatitis, serum	21 608	674	808	1,483 32,467	33,648	42,891		
Measles (rubeola)	1,080	3,400	3,668	202,797	265,501	421,847		
Poliomyelitis, Total (including unspecified)	2	7	10	99	67	446		
Paralytic	2	4	10	93	50	382		
Nonparalytic		_		_	9			
Meningococcal infections, Total	40	83	53	3,373	3.051	2,356		
Civilian	34	78		3,042	2,835			
Military	6	5		331	216			
Rubella (German measles)	234			45,892	30			
Ereptococcal sore throat & Scarlet fever	8,551	7,759	6,094	421,688	389,813	339,479		
retanus	2	12		194	285			
Tularemia	8	9	5.505	185	247	* * *		
Typhoid fever	3	19	13	369	461	528		
Typhus, tick-borne (Rky. Mt. Spotted fever).	1 - 10	1		249	262			
Rabies in Animals	84	85	61	3.984	4.248	3,711		

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: Leptospirosis: Md1, NY UpS1 Malaria: Ala1,Cal7, Mass1, Mich1,N.C4, W.Va1	72 517	Rabies in Man:	95 1
Psittacosis: Minn1	47	Rubella, Congenital Syndrome:	23
Typhus, murine: Ala1, Tex1	32	Plague:	5

EPIDEMIOLOGIC NOTES AND REPORTS TRANSFUSION INDUCED MALARIA – New York City

A case of blood transfusion induced malaria in a 64-year-old man has recently been reported from New York City. The patient had onset of chills and fever on October 29, 1966; *Plasmodium falciparum* parasites were found in blood smears. He had not traveled outside the United States since he emigrated from Italy in 1913 and he did not have a history of self-inoculations. Because of continuous massive bleedings from the renal pelvis, the patient had received 70 units of blood over the 2-year period prior to onset of malaria.

During the 2 months preceding the onset of illness he received two units of blood on September 6 and 20, and on October 14, 1966. Five of the six blood donors were located and none of them had a history of malaria, overseas travel, blood transfusions or drug addiction. The sixth donor was identified as a 28-year-old male Ghanaian who had resided in New York City from July through November 1966. He had donated blood on October 14. At the time of the investigation, the donor had returned to Ghana. The blood bank records do not indicate a history of malaria in this donor, but malaria is known to be endemic in Ghana.

(Reported by Dr. Tibor Fodor, Chief, Division of Epidemiology and Diagnosis, and Dr. Howard B. Shookhoff, Chief, Tropical Disease Division, both of the Bureau of Preventable Diseases, City of New York Department of Health; and Dr. Murray Wittner, Department of Pathology, Albert Einstein College of Medicine, Bronx, New York.)

Editorial Note:

Since 1957, 10 cases of blood transfusion induced malaria have been reported to the Communicable Disease Center. Of these, 7 cases were due to *P. malariae*, one to *P. vivax*, one to a mixed infection of *P. malariae* and *P. falciparum*, and in one case the plasmodium species is unknown. In only one instance was the infectious blood donor identified (New York City, 1958). 1

Reference:

¹Brady, Jacob A., and Dunn, Frederick L.: Malaria Surveillance in the United States, 1958. Amer J. Trop. Med. 8(6):635-639, (Nov.) 1959.

CURRENT TRENDS MALARIA – 1966

A large increase in the number of cases of malaria in persons returning from overseas has been reported to the Parasitic Diseases Section of the Communicable Disease Center through November 1966. These imported* cases enhance the risk of focal re-establishment and transmission of malaria in this country and the subsequent occurrence of introduced cases. Similarly, the possibility of transmission of malaria through blood transfusions may result in induced cases of malaria. This report provides current surveillance information on malaria in the United States and is issued in an effort to alert public health officials and practicing physicians to the increasing likelihood that they may encounter this disease.

From January 1 to November 29, 1966, the Malaria Surveillance Unit received epidemiologic information on 390 cases of malaria with onsets in the United States. Although a substantial number of cases occurring during this period may still be reported, the current total is already more than twice the number reported during the whole of 1965, and a larger total than for any year in the past decade (Figure 2). Seventy-eight of the cases with

onset in the United States occurred in civilians and 312 cases in military personnel.† The number of civilian cases thus far in 1966 is comparable to that reported in preceding years. The number of military cases with onsets through October 1966 has shown more than a ninefold increase compared with the same period in 1965. A rising trend has been apparent in the occurrence of military cases as the year has progressed. An additional 278 cases were diagnosed in American servicemen overseas who were subsequently transferred to the United States for treatment.

All but 4 of the 390 cases have been in persons who acquired their infection abroad. Two cases of *Plasmodium vivax* malaria from Fort Knox, Kentucky, in May were in 5-and 3-year-old siblings (MMWR, Vol. 15, No. 21). The diagnosis was confirmed by the Parasitology Unit of the Laboratory Branch, CDC, on the basis of examination of the blood slides. Such epidemiologic evidence as the children's negative history of travel and blood transfusions and their proximity to large numbers of personnel returning from malarious areas in Asia suggested

^{*}Definitions of malaria terminology used:

Imported - malaria acquired outside of a specific area (U.S.A. in this report).

Introduced - malaria acquired by mosquito transmission contracted from an imported case in an area where malaria is not a regular occurrence.

Induced - malaria acquired through artificial means, i.e., malariotherapy, blood transfusion, common syringes.

[†]Includes veterans discharged from the Armed Forces in 1965 or 1966.

that the most probable mode of infection was by introduction. Transmission probably occurred during the late summer of 1965 with delayed primary attacks following a prolonged incubation period; however, the specific source of infection has not been identified. One case of congenital malaria due to *P. malariae* was detected in August in Chicago, a rare form of transmission not likely to be witnessed frequently in the United States (MMWR, Vol. 15, No. 34). A case of induced falciparum malaria occurred in a 64-year-old man in New York City following a blood transfusion (MMWR, Vol. 15, No. 52).

Figure 2

MALARIA

MILITARY AND CIVILIAN, UNITED STATES

1956-1966*



Editorial Note:

Several effects of the increased prevalence of malaria in the United States may be anticipated. These include the likelihood that physicians unfamiliar with malaria may encounter cases of either imported or introduced malaria and that these infections may be caused by drugresistant forms of *P. falciparum*.

Since the incubation period of malaria can be so much longer than international travel itineraries, physicians in private practice are increasingly likely to be consulted by a patient who has malaria. These may be servicemen who are often given prolonged home leave upon their return from overseas duty. Recently discharged veterans are also likely to be found infected; thus far in 1966, 62 persons had their onset of malaria after their discharge from military service.

The importance of an accurate diagnosis and the quality of the blood film on which it is inevitably based cannot be overemphasized. Because of the general lack of experience in malaria techniques, these films are often

of very poor quality. The following instructions may serve as a guide for the preparation of blood films for malaria diagnosis. The ideal smear is one which incorporates a thick and a thin film as illustrated in Figures 3 through 5.

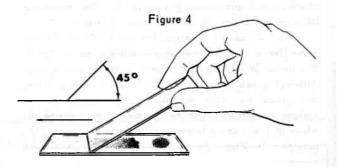
Guide for Preparation of Malaria Blood Films:

- Manufacturers' "pre-cleaned" slides are not considered clean enough for use in malaria diagnosis.
 Prior to use, such slides should be washed in mild detergent, rinsed thoroughly in warm running water, then distilled water, and dipped in ethyl alcohol (90-95 percent). Slides may then be wiped dry with a lintless cloth or tissue for immediate use or stored in 95 percent alcohol until needed.
- 2. The patient's finger should be cleaned with alcohol and wiped dry with a clean cloth or gauze.
- After the finger is punctured with the blood lancet, allow a large globule of blood to form.
- 4. Place cleaned surface of slide against drop of blood and with a quick circular motion, make a film the size of a dime in the middle third of one end of the slide. Ordinary newsprint should be barely legible through such a wet drop (Figure 3). Excessive mixing or stirring with a second slide leads to distortion of blood cells and parasites.

Figure 3



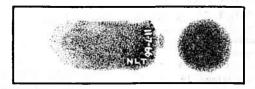
5. The finger should then be wiped dry and a *small* drop of blood gently squeezed from the puncture and placed at the edge of the middle third of the same slide (Figure 4).



6. Apply a clean "spreader" slide to the edge of the small drop at a 45° angle and allow the blood to extend about two-thirds of the slide width; then

keeping even contact, push the spreader forward along the slide. This will produce an even layer of red blood cells with a "feathering" at the lower edge (Figure 5).

Figure 5



7. The blood film should be kept horizontal and protected from dust and insects while the thick film dries (minimum of 6 hours at room temperature).

8. Label the slide in the upper part of the thin film with the date and the name or initials of the patient as illustrated (Figure 5).

It is requested that thick and thin blood smears for confirmation of the diagnosis of malaria be sent through the State Health Department Laboratories to the National Malaria Repository, Parasitology Section, Laboratory Branch, Communicable Disease Center, Atlanta, Georgia. Epidemiologic and therapeutic questions on malaria in the United States should be directed to: Parasitic Diseases Section (Malaria Surveillance Unit), Communicable Disease Center, Atlanta, Georgia 30333; telephone Area Code 404 633-3311, Extension 3676.

EPIDEMIOLOGIC NOTES AND REPORTS SYLVATIC PLAGUE - New Mexico

On December 12, 1966, the New Mexico Department of Public Health was informed of a die-off of jack rabbits, cottontail rabbits, and pack rats in DeBaca County. A plague surveillance team sent to the area to collect specimens and to investigate the extent of the epizootic determined that the die-off extended at least 15 miles east and south of Fort Sumner. Reports now indicate that a major portion of the County is involved.

Pasteurella pestis was isolated from tissue of a cottontail rabbit that had recently died about 12 miles south of Fort Sumner. Identification was made by microbiologic reactions including positive fluorescent antibody inhibition test, lysis by phage at 37°C and 20-25°C, positive agglutination test, biochemical reactions, and the demonstration of typical pathology in guinea pigs. By these same methods, P. pestis was isolated and identified from fleas (Thrasis fotus) obtained from a second cottontail rabbit trapped 8 miles south of Fort Sumner. Fleas (Hoplopsyllus glacialis affinis) combed from other cottontail rabbits were injected into guinea pigs; lesions produced were characteristic of plague and were presumptively positive for P. pestis by fluorescent antibody test. Organisms compatible with P. pestis have been observed in tissues of other rabbits and pack rats trapped, shot, or found dead in the area. Laboratory studies are continuing on additional tissues and ectoparasites.

In DeBaca County, rabbits are trapped and netted for live shipment to other states by railway express or truck for use as fox food and the training of race dogs. On the day that plague was confirmed in the current epizootic, a shipment of rabbits awaiting transport to Florida was stopped. A shipment which had been made to Missouri 3 days previously is currently being traced. Unofficial information indicates that at times during the past few years shipments have also been made to New Jersey, Massachusetts, Indiana, and Wyoming.

Following confirmation of P. pestis infection, the New Mexico Department of Game and Fish issued an order

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DECEMBER 31, 1966 AND JANUARY 1, 1966 (52nd WEEK)

	ACREMAC			- -	ENCEPHA	1113			-	HEPATITIS	
AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	Primary including unsp. cases		Post- Infectious	DIPH	THERIA	Serum	Infectious	Both Type
	1966	1965	1966	1966	1965	1966	1966	1965	1966	1966	1965
UNITED STATES	25	47	5	29	23	6	9	4	21	608	674
		_			1						
EW ENGLAND	-	2	-	4	-	- 1	-	-	2	34	30
Maine	-		-	-	<u> </u>	1 - 1	-	-	7,17	1	8
New Hampshire		-	-	1	1 :	- 1	-	-	-	1	3
Massachusetts		2		1	1 -	- 1	-	-	-	71.5	_ 1
Rhode Island		_		2	-	- 1	-		-	14	15
Connecticut	_	_		_	-	1 1	_	-	2	8 10	
						- i	-	_		10	- 1
TIDDLE ATLANTIC	2	6	_	6	7	-	1	_	11	105	111
New York City	1	4	-	6	2	- 1	_	_	10	29	28
New York, Up-State.	-	1	-		1	- 1	1	-	1	34	36
New Jersey	-	1	-		4	-	-	_	-	13	2
Pennsylvania	1	-	-	-	-	-	-	-	-	29	20
					ł						
AST NORTH CENTRAL	2	6	1	7	-	2	-	-	1	95	12
Ohio	-	-	-	- 5	-	-	-	-	1	18	2
Indiana	-	5		-	-	-	-	-	-	9	1
Illinois	1	-	1	-	-	- 1	-	-	-	21	1
Michigan	-	1	-	1	-	2	-	-	- 1	38	6
Wisconsin	1	-	_	1	-	-	-	-	-	9	1
EST NORTH CENTRAL	_	3	1		_	1			ł		
Minnesota		-	1	1	2	-	-	-	i -	31	2
Iowa	_	3	1	1 1		I - I	_	-	-	11	
Missouri	_	-	1	_	2	-	-	-	- "	8	4
North Dakota	_	_		_		- 1		_	-	3	
South Dakota	_	_	11/24	1 1	[- 1	• <u>-</u>	-	-	3	
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Nebraska Kansas	_	-			-	_ [-	-	1 -	1	
Kalisas				-	-	-	-	-	i -	5	
OUTH ATLANTIC	2	4	2	3	2	1 1	1	1	l <u>-</u>	54	0
Delaware	-			-		-	_	_	-		9.
Maryland	_			ī	-	1 1	- 1	_	_	9	
Dist. of Columbia		_		_	-	1 - 1	-	_	1 -	13	4
Virginia		1	2	_	_	-	_	_	1 -	= + - -	1
West Virginia	_	_		-	_		_	_	_	2	1
North Carolina	_	3		_	1	1 1	_	_	_	8	1
South Carolina	-	_	_	_	1 -	_	1	_	343	-	
Georgia	_	-		_	_	1 -	_	_	-	9	
Florida.	2	1		2	1	-	_	1	_	9	1
	_	_		-	1 -			_ *	_	,	
AST SOUTH CENTRAL	1	1	-	3	-	1 1	1	-	1	30	3 .
Kentucky	-	-	_	-	-	-	-	_	_	6	1
Tennessee	1	_	-	-	-	1	_	_	l -	15	1
Alabama	-	-	- 1	-	- 1	-	1	_	1	7	-
Mississippi	-	1	-	3	-	-	-	-	3.00	2	= 1
					1	!					
EST SOUTH CENTRAL	1	4	1	-	1	-	6	1		44	4
Arkansas	-	-	1		-	- 1	-	-	-	1	
Louisiana	-	-	-		1	- [-	1	÷.	10	
Oklahoma.	-,	- -	-	-	1 -	-	-	(**);		3	
Texas	1	4	-	-	-	- 1	6	-	-	30	3
OUNTAIN	_	5		2	7	1					
Montana	_	1		2	3	1 1	-	1	1	49	5
Idaho		1		1	3		1 525	1	-	7	
Wyoming.	-	_		1.71	-	- 1	•	-	7.7	3	1
Colorado.		2		1	4	- I	-	-		-	
New Mexico	-	1 1	131	2	4	<u> </u>	-	-	· .	2	2
Arizona	-	_	71 PATE I	2	1 -		-	-	-	11	
Utah	-	ī	7.0-		-	1 7 1	-	-		31	
Nevada	-	-			1 -		-	-	1	2	
W-4000	_			1	1 -	_	-	-	-		
ACIFIC	17	16		3	4	2	200	1		166	
Washington.	1	4		3	1 1	2	-	1 1	5	166	148
Oregon.	î	-		[1 1		-	ı	2	18	1:
California	14	12	3-11	1 3	3	2		-	2	35	1
Alaska	-	-		3	-	2	100	6.0	3	112	11
Hawaii	1	-	1 1 1 1 1 1 1 1	-	1 -		51195	1	15.31	1	0.35
				_							

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

DECEMBER 31, 1966 AND JANUARY 1., 1966 (52nd WEEK) - CONTINUED

AREA	MEA	SLES (Rubec	10)	MENINGOCOCCAL INFECTIONS,			POLIOMYELITIS				
	rum.	SEES (KUDEC	ia)		TOTAL	1	Tot	al	Par	ralytic	RUBELL
		Cumulative			Cumula	tive				Cumulative	
	1966	1966	1965	1966	1966	1965	1966	1965	1966	1966	1966
UNITED STATES	1,080	202,797	265,501	40	3,373	3,051	2	7	2	93	234
FU FNOVAND	-				,					,,,	7.4.25
EW ENGLAND	20	2,604	37,488	1	155	161	-	-		-	14
New Hampshire	6	307	2,949	-	12	18	-	-	-	-	
Vermont	3	80	383	-	11	10		-	-	-	
Massachusetts	8	348 844	1,457	-	4	9	-	-	-	-	
Rhode Island	-	75	19,505	_	62	62	-	-	-	-	
Connecticut	3	950	3,972 9,222	1	21 45	18 44	-	-	_		
TIDDLE ATLANTIC	17	18,617	19,423	7	.,,	100					
New York City	5	8,381	4,127	2	448	406	-	-	127	1	1
New York, Up-State.	7	2,687	4,512	1	67	68	-		1	-	
New Jersey	5	2,033	4,140	3	115	118			-	-	
Pennsylvania	-	5,516	6,644	1	14 0 126	107 113	-	-	-	1	
AST NORTH CENTRAL	137	70 625	61. 776	2	506		10000				
Ohio	40	70,625 6,511	64,776 9 277	3	536	457		2	-	8	6
Indiana	2	5,834	9,277		158	126	-	•	79.0	2	
Illinois	17		2,366	1	89	52	-			2	
Michigan	35	11,555	4,565	1	97	121	-	2	1505	3	A .
Wisconsin.	43	15,221 31,504	28,161 20,407	- 1	135 57	109	·	-		1	3
EST NORTH CENTRAL			_								
Minnesota	42	9,386	17,578	2	179	148	•		-	1	2
Iowa	2	1,690	950	1	41	35	-	-	-	1	
	15	5,478	9,309	-	23	14	-	-	j -	-	_ 1
Missouri	-	539	2,688	-	66	58	-	-	*		
North Dakota	25	1,439	4,045	-	11	13	-		-	-	
South Dakota	_	40	116	1.5	6	4	(+):	-	-	-	
Nebraska. Kansas	NN	200 NN	470 NN	1	13 19	11			-		
		***			1,5			100			
OUTH ATLANTIC	120	16,331	27,301	6	569	577	-	1		2	2
Delaware	1	268	519		7	11	-	-	-		
Maryland	7	2,133	1,365	1	54	60	-	-	-	-	
Dist. of Columbia	-	390	176	-	15	12	-	-		-7	
Virginia	3	2,268	4,325	-	67	76	-		-	-	1
West Virginia	18	5,580	14,872	2	50	30	-		-	1	
North Carolina	41	827	419	-	142	121	-	45.	-		
South Carolina	-	664	1,262	_ =	55	70	-		-		
Georgia	- 50	3,957	655 3,708	2 1	79 100	63 134		1		1	
								10.00		7.9-	
AST SOUTH CENTRAL	92	20,837	16,356	4	288	233		5-6	-	4	2
Kentucky	8	4,877	3,805	=	97	88	-	-	-	-	
Tennessee	49	12,754	9,043	2	98	73		- 14	-	-	1
Alabama	34	1,842	2,358	-	62	45	-	- 134	-	1	
Mississippi	1	1,364	1,150	2	31	27	-	-	1	3	
EST SOUTH CENTRAL	441	27,609	32,207	4	448	380	2	4	2	74	
Arkansas	207	1,389	1,195	1	38	19	-		-	1	
Louisiana	5	108	134	1	171	203		-	-	1	
Oklahoma Texas	10 219	672 25,440	244 30,634	1	24 215	23 135	2	4	2	71	
	217	23,440		- 1			_	_ ~ ~		11	
OUNTAIN	73	12,785	21,100	1	95	113	-			-	2
MontanaIdaho	2	1,935	3,928	-	5	3		-	-	-	
Wyondan	4	1,715	3,119		5	14			-	-	
Wyoming.	1	236	879		6	7	-	-	-		
Colorado	32	1,467	6,009	-	49	30	_		-	-	
New Mexico	13	1,282	694	- 1	10	11	-	-	-	- 1	0 1
Arizona	10	5,386	1,588	-	13	24	- 4			-	1
Nevada	7	690 74	4,658 225	1	2 5	19 5	1 4 4				
											14.0
ACIFIC. Washington	138	24,003	29,272	12	655	576	1 -	DIV ADJ	-3 -	3	5
Oregon	57	5,342	7,619	-	58	49			-	2	1
California	49	2,596	3,520	-	42	38				and a r	1
Alacka	32	15,254	13,864	12	533	460	_ [- 193		1	2
Alaska	_ [646 165	215 4,054	_	18 4	20		181	-7		
		103	4,034								
Puerto Rico	79	3,588	3,009	-	19	11	-	_	-	1	

Morbidity and Mortality Weekly Report

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

DECEMBER 31, 1966 AND JANUARY 1, 1966 (52nd WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETA	ANUS	TULAI	REMIA	ТҮР	HOID	TICK-	FEVER BORNE Spotted)	RABIES IN ANIMALS	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES	8,551	2	194	8	185	3	369	-	249	84	3,984
NEW ENGLAND	1,131	_	4	1	2	_ =	13		3	1	89
Maine	32	_	- 1	-	-	_ =	-	_	_	_	26
New Hampshire	38	-		-	-		-	-	-	-	31
Vermont	1.1	-	- [-	-	-	-	-	-	1	27
Massachusetts	281	-	2	1	2	-	9	-	1	-	4
Rhode Island Connecticut	83 697	_	2		Ī 11		4	_	2	Ī	1
MIDDLE ATLANTIC	331	_	15	- 1	_	1	62		49		232
New York City	12	_	5	-	_	1 -	25		47		1
New York, Up-State.	319	-	2	-	-	_	15	-	13	_	215
New Jersey	NN	-	3	-	-		8	_	16	_	-
Pennsylvania	- 1	-	5	-	-	1	14	- "	20	-	16
EAST NORTH CENTRAL	928	-	21	1	24	-	46	-	20	3	496
Ohio	134	-	5	-	3	-	21	-	9	2	206
Indiana	85	-	4	-	11	-	5	-	l . .	1.0	113
Illinois	169 384	_	6	1	9 -	-	7 7	-	11	1	75 43
Wisconsin	156	-	2	-	1		6	W 2	-	-	59
WEST NORTH CENTRAL	363	-	15	_ 11	20	- 15	34		4	18	926
Minnesota	8	-	3	- 19	1	_	1	_	-	2	222
Iowa	137	-	2	-			5	-	- 1	2	168
Missouri		-	8	-	11	-	18	-	3	6	260
North Dakota	158	-		-	-	-	1	-	-	2	63
South Dakota	26	-		-	4	-		-	-	6	123
Nebraska Kansas	33	-	1 1		2 2		7		1		29 61
SOUTH ATLANTIC	751	,	20		1,6						500
Delaware	751	1	38		16	-	70		114	6	508
Maryland	162		3		5		1 12	-	2 27		3
Dist. of Columbia	11		22	-	-		2		27	-	
Virginia	200	_	6	-	3	-639	16	-	31	3	256
West Virginia	174	-	-	-	1	-	1	-	_	(40)	60
North Carolina	34	-	4		3	- 1	6		27	-	4
South Carolina	-	-	2	- 1	1	-	15	-	5	-	1
Georgia	8 159	1	8 15		3	-	13		22	3	110
EAST SOUTH CENTRAL	1 047	_ 1	100	,	20	633					F 21
Kentucky	1,047		28	4	28	-	47 10		44	16	521 125
Tennessee	897	_	9	4	18		24		26	4 12	353
Alabama	117	-	8		4		6		7	-	21
Mississippi	11	-	9	-	4	-	7		2	-	22
WEST SOUTH CENTRAL	748	_	48	1	76		36	-	10	9	770
Arkansas	7	-	5	1	57		5	-	2	1	86
Louisiana		-	12	- 10	4	-	10		-	4	59
Oklahoma Texas	61 680	21	28		8 7	-	10 11	1 1	7	1 3	185 440
MOUNTAIN	1,908		2	1				II			clien
Montana	47	-	2	1	15 2		16		4	8	107
Idaho	99	_		_							
Wyoming	44	_	- 1	-	6		-		1	-	
Colorado	1,318	-	2	-	2	- <u> </u>	3	-	2	-	18
New Mexico	222	-	-	-	1		2	-	1	2	20
Arizona	109 66			-	1	- 111	5	-	-	6	50
Nevada	3		-	1 -	3		5 1	-		-	9
PACIFIC	1,344	1	23		4	2		, H . I D	•	2.2	225
Washington	336		- 23		- 4	2	45 13		1	23	335 15
Oregon.	46	1	2			-	1 1		-	- 1	5
California	851		21	- 3	4	2	29	-	1	23	315
Alaska	51 60		- 11	-		Ι.	2	-	-	-	133-11-3
Hawaii	60	-	-		-	-	2		- 1	-	
Puerto Rico	2	-	54	_	_	_	19	_	_		20

Week No.

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 31, 1966

52

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

	All Ca	uses	Pneumonia	Under		All Ca	uses	Pneumonia	Under
Area	All Ages	65 years and over	and Influenza All Ages	l year All Causes	Area	All Ages	65 years and over	and Influenza All Ages	l year All Causes
NEW ENGLAND:	783	488	37	38	SOUTH ATLANTIC:	1,138	614	58	,
Boston, Mass	239	134	10	18	Atlanta, Ga	105	45	5	4
Bridgeport, Conn. *	44	27	1	3	Baltimore, Md	280	149	3	
Cambridge, Mass	29	20	-	_	Charlotte, N. C	62	25	3	
Fall River, Mass	41	33	1	-	Jacksonville, Fla	65	29	6	
Hartford, Conn	71	37	4	2	Miami, Fla	87	50	2	44
Lowell, Mass	51	28	4	2	Norfolk, Va	51	30	4	
Lynn, Mass	24	17	1	-	Richmond, Va	91	41	4	
New Bedford, Mass*	30	21	4	1	Savannah, Ga	28	12	3	
New Haven, Conn	32 81	20 58	- 4	4	St. Petersburg, Fla	72	59	6	1
Providence, R. I Somerville, Mass	14	10	2	4	Tampa, Fla	83	55	13	
Springfield, Mass	52	35	2	2	Washington, D. C Wilmington, Del	186	107	8	
Waterbury, Conn	21	14	_	1	withington, bei.	28	12	1	
Worcester, Mass	54	34	4	î	EAST SOUTH CENTRAL:	550	279	27	3
		ŀ			Birmingham, Ala	85	42	4	
AIDDLE ATLANTIC:	3,610	2,093	135	153	Chattanooga, Tenn	25	16	2	
Albany, N. Y	67	34	3	3	Knoxville, Tenn	33	16	2	
Allentown, Pa	45	26	2	1	Louisville, Ky	88	56	5	
Buffalo, N. Y	153	83	6	8	Memphis, Tenn	136	60	5	1
Camden, N. J	52	38	1	1	Mobile, Ala	45	23	2	i
Elizabeth, N. J Erie, Pa	51	31	3	1	Montgomery, Ala	41	20	2	
Jersey City, N. J	32 88	19 56	2	2	Nashville, Tenn	97	46	5	
Newark, N. J	87	34	10	6 8	WEST SOUTH CENTRAL:	070	,,,,		_
New York City, N. Y	1,828	1,053	66	77	Austin, Tex	970	499	33	5
Paterson, N. J	45	32	2	1	Baton Rouge, La	31 30	12 10	2	
Philadelphia, Pa#	549	312	13	23	Corpus Christi, Tex	23	13	2	l .
Pittsburgh, Pa	190	100	1	8	Dallas, Tex	118	69	4	
Reading, Pa	63	42	3	3	El Paso, Tex	39	24	7	
Rochester, N. Y	105	72	6	3	Fort Worth, Tex*	67	36	2	
Schenectady, N. Y	18	14	-	-	Houston, Tex	167	74	1	
Scranton, Pa	42	24	1	2	Little Rock, Ark	38	18	3	
Syracuse, N. Y	52	32	1	2	New Orleans, La	189	106	5	1
Trenton, N. J	67	32	3	2	Oklahoma City, Okla	76	36		
Utica, N. Y	39	30	6	2	San Antonio, Tex	106	58	4	,
Yonkers, N. Y	37	29	3	- 1	Shreveport, La Tulsa, Okla	37	16	1	٠ ـ ـ ا
AST NORTH CENTRAL:	2,651	1,485	72	162	luisa, Okia.	49	27	2	3
Akron, Ohio	72	46	, 2	6	MOUNTAIN:	512	202	20	١.,
Canton, Ohio	34	18	1	2	Albuquerque, N. Mex	66	303 36	29	21
Chicago, Ill	790	405	33	40	Colorado Springs, Colo.	22	18	4	1
Cincinnati, Ohio	148	97	- 1	6	Denver, Colo	137	87	6	
Cleveland, Ohio	210	115	1	11	Ogden, Utah	18	8	1]
Columbus, Ohio	137	77	5	3	Phoenix, Ariz	133	79	10	-
Dayton, Ohio	105	55	1	14	Pueblo, Colo	26	12	9 1	2
Detroit, Mich	354	193	7	24	Salt Lake City, Utah	62	33	-	4
Evansville, Ind	47	25	2	4	Tucson, Ariz	48	30	1	:
Flint, Mich	52	25	2	7	PACIFIC:	1 //1	067		_
Fort Wayne, Ind Gary, Ind	38 29	24 11	2 1	4	Berkeley, Calif	1,441	867	43	66
Grand Rapids, Mich	56	39	4	2	Fresno, Calif	29 43	22 19	1 2	
Indianapolis, Ind	147	80	6	12	Glendale, Calif	40	26	: 1	
Madison, Wis	31	19	-	1	Honolulu, Hawaii	51	22	7.	
Milwaukee, Wis	112	76	2	9	Long Beach, Calif	78	52	4	
Peoria, Ill	49	25	_	4	Los Angeles, Calif	308	177	9	11
Rockford, Ill	40	28	- 1	2	Oakland, Calif	66	37	1	1
South Bend, Ind	36	27	1	-	Pasadena, Calif	25	16	1	
Toledo, Ohio	105	69	4	3	Portland, Oreg	119	73	4	
Youngstown, Ohio	59	31	-	5	Sacramento, Calif	91	67	-	1
TOTAL NORTH OFFICE					San Diego, Calif.	91	48	-	10
EST NORTH CENTRAL:	778	458	29	37	San Francisco, Calif	218	122	9	1
Des Moines, Iowa	43	26	2	1	San Jose, Calif	66 132	48	9	
Duluth, Minn	19 40	12	2	1 2	Seattle, Wash Spokane, Wash	132	82	2	11
Kansas City, Kans Kansas City, Mo	40 144	23 78	2 9	3 7	Tacoma, Wash	51 33	35	2]
Lincoln, Nebr	144 17	78 12	1	1	Tacona, washi.	33	21		- 2
Minneapolis, Minn	101		-	2	Total	12 //22	7 004	,,,	
Omaha, Nebr	62	61 34	3	2	10001	12,433	7,086	463	61
St. Louis, Mo	209	122	6	12	Cun	ulative To	tals		
St. Paul, Minn	93	62	3	6	including reporte			revious we	eks
Wichita, Kans	50	28	1	2					
				L	All Causes, All Ages			650,41	13
					All Causes, Age 65 and o	ver		372,23	32

SYLVATIC PLAGUE - New Mexico

(Continued from page 453)

on December 23, 1966, prohibiting the hunting and trapping of rabbits in DeBaca County. Other control measures include general publicity for personal protection and plans for a dusting program for communities in the area.

Including the recent epizootic in DeBaca County, P. pestis has now been isolated from wild rodents, rabbits, hares, and/or their fleas in 23 of New Mexico's 32 counties. The prairie dog and rabbit have been associated with cases of human plague most often. Since 1949 there have been 22 human cases, five of which are known to have developed infection following contact with rabbits.

(Reported by Dr. Thomas H. Tomlinson, Associate Director; Daniel E. Johnson, Ph.D., Chief, Public Health Laboratories; and Bryan Miller, M.S., Chief, Vector Control Division, all of the New Mexico Department of Public Health.)

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 15,600, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGÍA

CHIEF, COMMUNICABLE DISEASE CENTER CHIEF, EPIDEMIOLOGY BRANCH ACTING CHIEF, STATISTICS SECTION DAVID J. SENCER, M.D. A.D. LANGMUIR, M.D. IDA L. SHERMAN, M.S.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

